

## Multilayer structures as stable hole-injecting electrodes for use in high efficiency organic electronic device

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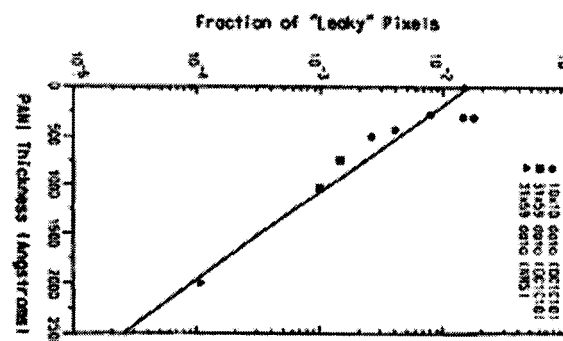
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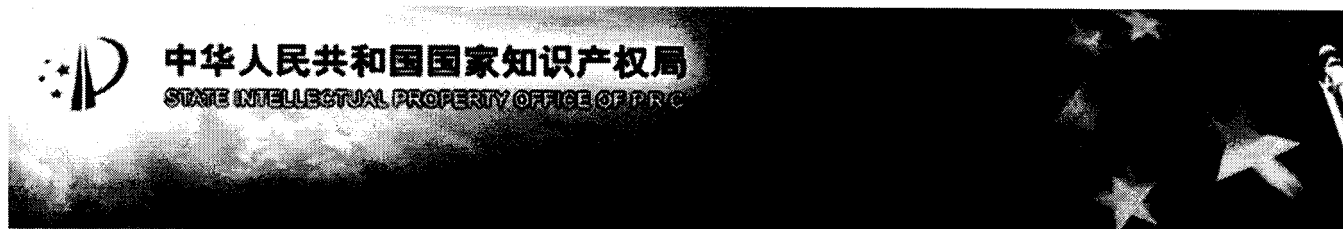
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Multilayer anode structures (104) for electronic devices (100) such as polymer light-emitting diodes are described. The multilayer anodes include a high conductivity organic layer (114) adjacent to the photoactive layer (102) and a low conductivity organic layer (112) between the high conductivity organic layer and the anode's electrical connection layer (110). This anode structure provides polymer light emitting diodes which exhibit high brightness, high efficiency and long operating lifetime. The multilayer anode structure of this invention provides sufficiently high resistivity to avoid cross-talk in passively addressed pixellated polymer emissive displays; the multilayer anode structure of this invention simultaneously provides long lifetime for pixellated polymer emissive displays.



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摘要

本发明描述用于电子器件(100)如聚合物发光二极管的多层阳极结构(104)。该多层阳极包括一个与光活性层(102)邻接的高(114)和一个介于高电导率有机层与阳极的电连接层(110)之间的低电导率层(112)。该阳极结构使聚合物发光二极管具有高亮度、作寿命。本发明多层阳极结构的电阻率高到足以避免在无源寻址像素化聚合物发光显示器中发生串扰；本发明的多层阳极结构聚合物发光显示器具有长寿命。



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